2019 CARL MOYER PROGRAM

MARINE VESSELS





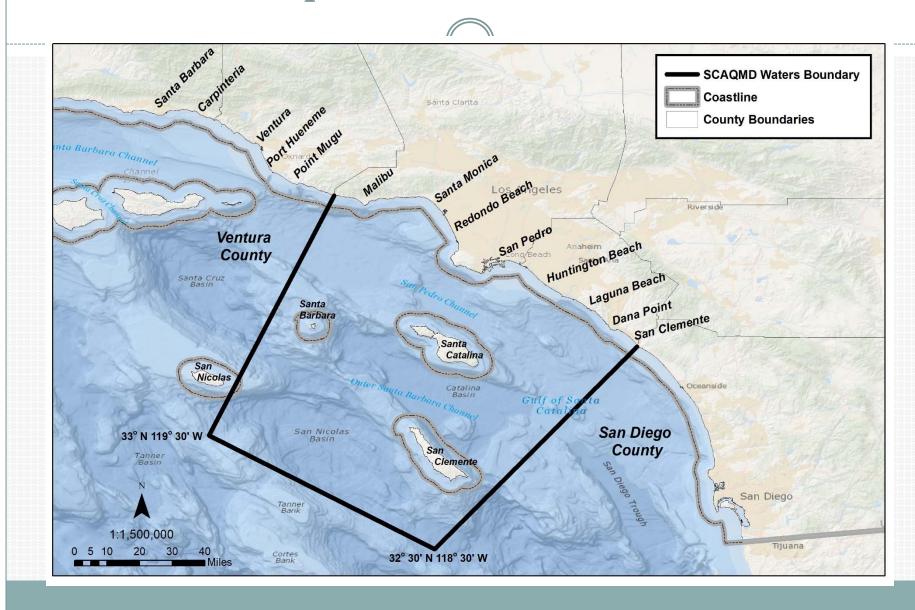
Eligible Projects & Requirements

- Repower projects are eligible for funding:
 - Replace existing engine with new engine
 - New engine is Tier 3 or cleaner
 - OProvide a Minimum 15% NOx reduction
- Vessel must operate 75% of time in SCAQMD waters
- Proof of vessel ownership provided

Eligible Projects & Requirements (cont'd)

- Once a grant is awarded, electronic monitoring units required on all marine vessels
- Proof of current vessel liability insurance must be annually submitted to SCAQMD and identify SCAQMD as "Loss Payee"
- Annual reports on vessel operation (usage) <u>MUST</u> be submitted for the term of the contract
- SCAQMD must receive notification prior to transfer of vessel ownership or if vessel is destroyed

Map of SCAQMD Waters



Marine Vessel Funding Opportunities

Project Type	Subject to Commercial Harbor Craft (CHC) Regulation	Moyer Funding				
Excursion, Ferries, Tug Boats, Tow Boats, Crew & Supply Boats, Barges & Dredge Engine Repowers	Yes CHC regulation (Must submit initial report)	Baseline engine Tier 2 compliant*				
Fishing, Pilot, Work Boat Engine Repowers	No (Must submit initial report)	Not limited by regulation				

* Please Note: Tier 0 And Tier 1 Are Not Eligible For Funding

Commercial Harbor Craft Initial Report

Welcome

These forms are for your convenience in understanding and reporting the info the Commercial Harbor Craft regulation.

All commercial harbor craft with diesel engines that operate in Regulated Cal subject to the regulation.

Please click the red tab at the bottom of the screen and read the INSTRUCT the forms. Instructions pertaining to each column on the forms are also embed on the electronic version of the Excel spreadsheet for your convenience. "Ho the column headings and instructions specific to the column will appear.

Fill in your company and contact information on the COMPANY CONTACT for tab) at the bottom of the screen. The company name and the date will appear

Next, complete the VESSEL INFORMATION yellow tab for vessels with dies

Finally, complete the ENGINE INFORMATION yellow tab for your diesel engineers

If you have more than 10 engines, please call ARB staff at (888) 442-723 larger reporting form.

Please complete as much information as possi If you are uncertain as to an answer, please enter your b

Please do not hesitate to contact the Air Resources Board staff for assistance

Phone: (888) 442-7238

Email: harborcraft@arb.ca.gov

Thank you for your help reducing diesel particulate matter and NOx pollutants

Commercial Harbor Craft Report

Form located on CARB's website

COMPANY CO	UNIAC	1															
Date:					(1)		1										
Type of Report Initi	ial Repo	rt			(2)												
Year Ending 12	/31/2008	3		\$	(3)												
Owner Company Name:		Vess	el Information Pag	e			-								Commer	cial Harb	or Craft Report
		Page	1														
Operator Company Name:																	
90																	
Owner/Operator:	d	Company:			If you have more than 10 engines, please call ARB staff at (888) 442-7238 and request a larger reporting form.			please request	This form is to be completed by owner/operaters of ALL commercial harbor craft with diesel engines that operate within regulated California waters.								
AA-W Add		(7)	(A8)	(88)	(8C)	(9)	(10)	(11)	(12)	(13A)	(13B)	(14)	(15)	(16)	(17)	(18)	(19)
Mailing Address:		/sl. No.	Harbor Craft Name	Did the Name	Previous Name (if it changed)	Number of Engines	Vessel Use (Primary)	Vessel Use (Secondary)	Other Vessel	Home Port	Homeport Address	Year Built	U.S. Coast Guard Doc	California Fish and Game	IMO Number	Call Sign Number	Maritime Mobile Service Identity
City:		0	Nautilus	Change?	Nemoy	5	Excursion	Charter Fishing	Use	Long Beach	99 Pier X Avenue	1985	Number 1234567	License Number	1234567	KXYZ	Number 3669XXXXX
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Refer to section 93118.5, title 17, chapter 5.1, California Code of Re	200 Caraca 200 Car	15														\vdash	
effective for the field of the first section and		16															
Low Sulfur Fuel Requirement, Emission Limits and Other Requirement	ents for C	17															
Recordkeeping Requirements.		18															
Beginning January 1, 2009, the owner or operator of a harbor craft must mair		19															
the vessel or at the vessel's homeport for the life of each engine subject to th		20															
such records for inspection to an agent or employee of ARB upon re	equest for	21															
may be provided as a hard copy, electronic, or any alternative repor	rung strate	22															
		23															
Submittal of Documents. All documents required under this regulation must be submitted to the	he Execut	24															
Electronically by email:																	

harborcraft@arb.ca.gov

Hard copy by mail: California Air Resources Board Stationary Source Division Emissions Assessment Branch Control Strategies Section, Harbor Craft Sacramento, California 95812-2815

CHC Regulation Low Usage Exemption

- <300 hours of operation in a calendar year (<80 hours for barge or dredge vessel categories)
- Must submit formal request letter to CARB which includes the following:
 - In-use engine information (engine type, HP, serial, & model year)
 - Description of engine low usage in the previous year with supporting documentation (e.g. log book)
 - A plan demonstrating that the vessel will be low usage in the future
 - Submit via email to: <u>harborcraft@arb.ca.gov</u>
 - Primary CARB contact: (888) 442-7238

Eligible Project Costs

Project Type	New Engine Tier	Max. Eligible Funding					
Barge, Crew & Supply, Excursion, Ferry, Tugboat, Towboat, Dredge	Tier 3	80 Percent					
	Tier 4	85 Percent					
Fishing, Pilot, & Work Boat(s)	Tier 3	80 Percent					
	Tier 4	85 Percent					

Application

- Number of engines
- Type of engines
- Vessel use: Primary and Secondary
- Operational records
 - Hour meter required by CARB since 2009
 - 2 years (24 months) of consecutive historical hours of operation are required
 - Usage hours are preferred, but fuel logs, ledger entries or maintenance records are acceptable

Application (cont'd)

- % of total operating time within SCAQMD boundaries (waters)
- Engines (existing and new)
 - Size, make, model, year, displacement, horsepower
- Repower Costs
 - Submit vendor quotes for repower
 - New transmission cost justification (if necessary)
 - Funding amount requested (cannot exceed vendor quote)

Application (cont'd)

- EPA and/or CARB engine certification (e.g. Certificate of Conformity)
 - New main & auxiliary engines
- Submit a copy of current CHC initial report

Ranking & Funding

- Meet regulation and Carl Moyer 2017 guideline requirements
- Ranked by Cost-effectiveness
 - Cost-effectiveness cap of \$30,000/ton (NOx + ROG + 20*PM)
- Priority funding established for disadvantaged communities
- Maximum project life (contract term) is 16 years

Required Pre-Inspection

- Projects MUST be pre-inspected prior to any work commencing. Existing engines must be:
 - Fully operational
 - Have appropriate engine and chassis tags which are clearly legible and show:
 - Engine make/model, year, fuel type, engine family, engine tier, serial number, VIN number and any additional information pertinent to the project
 - Must have <u>WORKING NON-RESETTABLE</u>
 <u>METERS</u> to verify hours claimed in the application

Required Pre-Inspection (cont'd)

- Documentation that the fleet, engines, or equipment is in compliance with applicable rules or regulations
- Failure to obtain a pre-inspection will result in contract cancellation and loss of awarded funding

Required Post and Destruction Inspection

Post Inspection:

- The post-inspection verifies that new equipment/engine are consistent with what was evaluated in the application
- It is the applicant's responsibility to contact the assigned project officer to request a post inspection

• Destruction Inspection:

- Verifies that the old engine/equipment is **Destroyed** And Rendered Permanently Unusable
- Pre, Post, and Destruction inspections must be conducted and reports reviewed prior to payment of any invoices

Payments

- Pre, Post, and Destruction inspections completed and reports reviewed
- Itemized parts & engine costs identified on submitted contractor invoice
- Installation labor cost is eligible for payment include labor cost/hour and total hours in invoice
- Dealer or vendor direct award payments are OK

Deadline for Submittal

All submittals must be received no later than:

Tuesday, June 4, 2019 by 1:00 p.m.

Contact Information

Ping Gui 909.396.3187 pgui@aqmd.gov

